

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
August
2005

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of August 2005.

Statewide precipitation was 140 percent of average for the 2004-2005 water year as of August 31. Statewide runoff was 105 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the Internet at: "http://cdec.water.ca.gov/snow_rain.html".

On August 31, total storage in major SWP reservoirs was about 4.53 MAF, compared with about 2.95 MAF at this time in 2004. The average storage in the major SWP reservoirs at the end of August was about 4.17 MAF. The August 31 storage at Lake Oroville was about 3.26 MAF as compared to 1.89 MAF last year. The State's share of San Luis Reservoir storage was about 820 TAF, as compared with 409 TAF at this time last year. On August 31, the combined storage in our southern reservoirs was about 656 TAF, compared with about 650 TAF at this time last year.

There were 3 earthquakes documented by DWR near Project facilities during the month of August. They ranged in magnitude from 2.2 to 4.3. No facilities were found to be in need of inspection.

On August 21, Thermalito Afterbay dropped 3 feet in elevation as river releases were maintained while Hyatt plant generation was curtailed.

Through August, SWP water deliveries for 2005 were about 3.55 MAF. This is a combination of project, transfer, and exchange waters. This is 0.50 MAF more than that delivered during the same period in 2004.

The Coordinated Operations Agreement (COA) remained in "Excess" conditions throughout the month of August.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jul 31	5000.18	20,912								
1	5000.11	20,850	-62	20	0	0	0	11	31	
2	5000.04	20,788	-62	20	0	0	0	11	31	
3	4999.97	20,718	-70	20	0	0	0	11	31	
4	4999.91	20,665	-53	20	0	0	0	11	31	
5	4999.84	20,603	-62	20	0	0	0	11	31	
6	4999.77	20,541	-62	20	0	0	0	11	31	
7	4999.70	20,479	-62	20	0	0	0	11	31	
8	4999.65	20,435	-44	20	0	0	0	11	31	
9	4999.57	20,365	-70	20	0	0	0	11	31	
10	4999.50	20,304	-61	20	0	0	0	11	31	
11	4999.43	20,242	-62	20	0	0	0	11	31	
12	4999.38	20,199	-43	20	0	0	0	11	31	
13	4999.31	20,138	-61	20	0	0	0	12	32	
14	4999.23	20,068	-70	20	0	0	0	12	32	
15	4999.18	20,024	-44	20	0	0	0	12	32	
16	4999.12	19,972	-52	20	0	0	0	12	32	
17	4999.06	19,920	-52	20	0	0	0	12	32	
18	4998.99	19,860	-60	20	0	0	0	12	32	
19	4998.92	19,799	-61	20	0	0	0	12	32	
20	4998.86	19,747	-52	20	0	0	0	12	32	
21	4998.78	19,678	-69	20	0	0	0	12	32	
22	4998.72	19,627	-51	20	0	0	0	12	32	
23	4998.64	19,558	-69	20	0	0	0	12	32	
24	4998.56	19,490	-68	20	0	0	0	12	32	
25	4998.51	19,447	-43	20	0	0	0	12	32	
26	4998.43	19,379	-68	20	0	0	0	12	32	
27	4998.36	19,319	-60	20	0	0	0	12	32	
28	4998.29	19,259	-60	20	0	0	0	12	32	
29	4998.22	19,200	-59	20	0	0	0	12	32	
30	4998.16	19,149	-51	20	0	0	0	12	32	
31	4998.09	19,090	-59	20	0	0	0	12	32	
Total cfs-days				---	620	0	0	360	981	
Total ac-ft				-1,822	1,230	0	0	715	1,945	
									123	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Jul 31	5567.62	28,809								
1	5567.53	28,715	-94	0	29	0	0	11	40	
2	5567.50	28,684	-31	0	34	0	0	11	45	
3	5567.43	28,611	-73	0	36	0	0	11	47	
4	5567.24	28,414	-197	0	36	0	0	11	47	
5	5567.17	28,342	-72	0	43	0	0	11	54	
6	5567.03	28,197	-145	0	43	0	0	11	54	
7	5566.91	28,073	-124	0	43	0	0	11	54	
8	5566.84	28,001	-72	0	46	0	0	11	57	
9	5566.76	27,919	-82	0	34	0	0	11	45	
10	5566.66	27,817	-102	0	36	0	0	11	47	
11	5566.62	27,776	-41	0	33	0	0	11	44	
12	5566.45	27,602	-174	0	36	0	0	11	47	
13	5566.37	27,521	-81	0	36	0	0	11	47	
14	5566.28	27,429	-92	0	36	0	0	11	47	
15	5566.20	27,348	-81	0	36	0	0	11	47	
16	5566.16	27,307	-41	0	35	0	0	11	46	
17	5566.06	27,206	-101	0	51	0	0	11	62	
18	5565.96	27,105	-101	0	47	0	0	11	58	
19	5565.83	26,974	-131	0	39	0	0	11	50	
20	5565.74	26,884	-90	0	38	0	0	11	49	
21	5565.68	26,823	-61	0	38	0	0	11	49	
22	5565.51	26,653	-170	0	38	0	0	11	49	
23	5565.55	26,693	40	0	35	0	0	11	46	
24	5565.33	26,474	-219	0	35	0	0	11	46	
25	5565.31	26,454	-20	0	36	0	0	11	47	
26	5565.14	26,285	-169	0	30	0	0	11	41	
27	5565.06	26,206	-79	0	26	0	0	11	37	
28	5565.11	26,255	49	0	26	0	0	11	37	
29	5565.03	26,176	-79	1	20	0	0	11	32	
30	5564.99	26,136	-40	1	17	0	0	12	30	
31	5564.87	26,018	-118	1	12	0	0	12	25	
Total cfs-days				---	3	1,080	0	0	343	
Total ac-ft				-2,791	6	2,142	0	0	680	
									2,828	
									37	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Jul 31	5767.17	56,002								
1	5767.17	56,002	0	7	0	3	0	33	43	
2	5767.14	55,906	-96	7	0	3	0	33	43	
3	5767.11	55,810	-96	7	0	3	0	33	-5	
4	5767.08	55,713	-97	7	0	3	0	33	-6	
5	5767.04	55,585	-128	7	0	3	0	33	-22	
6	5767.02	55,521	-64	7	0	4	0	33	11	
7	5767.00	55,458	-63	7	0	4	0	34	12	
8	5766.97	55,362	-96	7	0	4	0	34	-4	
9	5766.95	55,298	-64	7	0	4	0	34	12	
10	5766.91	55,171	-127	7	0	4	0	34	-20	
11	5766.90	55,139	-32	7	0	4	0	34	28	
12	5766.86	55,011	-128	6	0	4	0	34	-21	
13	5766.84	54,948	-63	6	0	4	0	34	12	
14	5766.81	54,853	-95	6	0	4	0	34	-4	
15	5766.78	54,757	-96	6	0	4	0	34	-4	
16	5766.76	54,694	-63	6	0	4	0	33	11	
17	5766.73	54,599	-95	7	0	3	0	33	-5	
18	5766.72	54,567	-32	7	0	3	0	33	27	
19	5766.70	54,504	-63	7	0	3	0	33	11	
20	5766.67	54,409	-95	7	0	3	0	33	-5	
21	5766.63	54,283	-126	7	0	3	0	33	-21	
22	5766.60	54,189	-94	7	0	3	0	33	-4	
23	5766.57	54,094	-95	7	0	3	0	33	-5	
24	5766.55	54,031	-63	7	0	3	0	33	11	
25	5766.52	53,937	-94	7	0	3	0	33	-4	
26	5766.48	53,811	-126	14	0	3	0	33	-13	
27	5766.46	53,749	-62	22	0	3	0	33	27	
28	5766.41	53,592	-157	15	0	3	0	33	-29	
29	5766.40	53,561	-31	7	0	3	0	33	27	
30	5766.36	53,436	-125	7	0	3	0	33	-20	
31	5766.33	53,342	-94	7	0	3	0	33	-4	
Total cfs-days				---	238	0	102	0	1,032	
Total ac-ft				-2,660	473	0	202	0	2,047	
									2,721	
									61	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Jul 31	881.68	3,256,409									
	1	881.19	3,249,117	-7,292	13,438	34	0	460	0	13,932	0
	2	880.78	3,243,023	-6,094	11,640	34	0	533	0	12,207	0
	3	880.43	3,237,828	-5,195	11,690	34	0	438	0	12,162	0
	4	879.99	3,231,309	-6,519	12,992	34	0	408	0	13,434	0
	5	879.42	3,222,875	-8,434	13,040	34	0	559	0	13,633	0
	6	879.06	3,217,557	-5,318	12,120	34	0	416	0	12,570	0
	7	878.55	3,210,033	-7,524	12,969	34	0	483	0	13,486	0
	8	878.00	3,201,933	-8,100	12,199	34	0	443	0	12,676	0
	9	877.32	3,191,938	-9,995	15,601	34	0	405	0	16,040	0
	10	876.84	3,184,897	-7,041	13,805	34	0	385	0	14,224	0
	11	876.07	3,173,624	-11,273	14,030	34	0	442	0	14,506	0
	12	875.46	3,164,714	-8,910	15,019	34	0	440	0	15,493	0
	13	875.26	3,161,796	-2,918	9,470	34	0	411	0	9,915	0
	14	875.42	3,164,130	2,334	3,274	34	0	327	0	3,635	0
	15	874.62	3,152,473	-11,657	15,244	34	0	290	0	15,568	0
	16	873.80	3,140,555	-11,918	17,028	34	0	307	0	17,369	0
	17	873.11	3,130,552	-10,003	15,401	34	0	372	0	15,807	0
	18	872.24	3,117,972	-12,580	17,168	34	0	371	0	17,573	0
	19	871.64	3,109,317	-8,655	14,659	34	0	287	0	14,980	0
	20	871.17	3,102,549	-6,768	12,478	34	0	314	0	12,826	0
	21	871.65	3,109,461	6,912	342	34	0	286	0	662	0
	22	871.25	3,103,700	-5,761	10,099	34	0	444	0	10,577	0
	23	870.65	3,095,073	-8,627	15,689	34	0	415	0	16,138	0
	24	870.11	3,087,323	-7,750	11,379	34	0	369	0	11,782	0
	25	869.46	3,078,012	-9,311	14,699	34	0	395	0	15,128	0
	26	869.03	3,072,292	-5,720	13,141	34	0	422	0	13,597	0
	27	868.44	3,063,442	-8,850	12,323	34	0	422	0	12,779	0
	28	868.06	3,058,027	-5,415	10,483	34	0	385	0	10,902	0
	29	867.48	3,049,774	-8,253	13,830	34	0	420	0	14,284	0
	30	866.90	3,041,537	-8,237	14,181	34	0	391	0	14,606	0
	31	866.25	3,032,324	-9,213	14,128	34	1	446	0	14,609	0
Total		-224,085	393,559	1,050	1	12,486	0	407,091	0	183,006	

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

August 2005

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Jul 31	23,456										
1	23,725	269	13,438	467	0	12,058	3	14	1,350	0	-211
2	23,945	220	11,640	469	0	10,438	3	14	1,354	0	-80
3	23,792	-153	11,690	513	0	10,966	3	14	1,354	0	-19
4	23,868	76	12,992	512	0	11,934	3	14	1,352	0	-125
5	24,000	132	13,040	511	0	11,768	3	14	1,473	0	-161
6	24,015	15	12,120	388	0	10,984	3	14	1,465	0	-27
7	23,721	-294	12,969	514	0	12,273	3	14	1,475	0	-12
8	23,941	220	12,199	512	0	10,970	3	14	1,451	0	-53
9	23,688	-253	15,601	512	0	15,033	3	14	1,338	0	22
10	23,396	-292	13,805	513	0	13,028	3	14	1,517	0	-48
11	22,991	-405	14,030	512	0	13,474	3	14	1,352	0	-104
12	24,004	1,013	15,019	511	0	13,417	3	14	1,245	0	162
13	24,165	161	9,470	511	0	8,456	3	14	1,257	0	-90
14	23,672	-493	3,274	425	0	2,782	3	14	1,265	0	-128
15	23,717	45	15,244	512	0	14,304	3	14	1,257	0	-133
16	23,635	-82	17,028	512	0	16,374	3	14	1,259	0	28
17	23,838	203	15,401	472	0	14,268	3	14	1,263	0	-122
18	23,730	-108	17,168	513	0	16,464	3	14	1,255	0	-53
19	23,891	161	14,659	492	0	13,638	4	13	1,257	0	-78
20	23,922	31	12,478	425	0	11,524	4	13	1,249	0	-82
21	23,440	-482	342	506	0	142	4	13	1,247	0	76
22	23,707	267	10,099	481	0	9,103	4	13	1,251	0	58
23	23,230	-477	15,689	511	0	15,344	4	13	1,255	0	-61
24	23,184	-46	11,379	505	0	10,594	4	13	1,257	0	-62
25	23,086	-98	14,699	505	0	14,007	3	13	1,253	0	-26
26	23,737	651	13,141	491	0	11,655	4	13	1,251	0	-58
27	23,794	57	12,323	513	0	11,387	4	13	1,251	0	-124
28	23,958	164	10,483	512	0	9,926	4	13	1,257	0	369
29	23,940	-18	13,830	512	0	12,524	4	13	1,259	0	-560
30	23,714	-226	14,181	446	0	13,498	4	13	1,255	0	-83
31	23,682	-32	14,128	513	0	13,286	4	13	1,259	0	-111
Total		226	393,559	15,291	0	365,619	105	421	40,583	0	-1,896

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 9 AF of entitlement water to Del Oro WD and 96 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jul 31	131.94	38,901										
1	132.04	39,266	365	12,058	3,193	34	891	1,868	5,752	0	45	7,102
2	131.71	38,070	-1,196	10,438	3,134	34	891	1,866	5,752	0	43	7,106
3	131.50	37,318	-752	10,966	3,134	34	889	1,896	5,732	0	-33	7,086
4	131.54	37,460	142	11,934	3,154	34	891	1,906	5,732	0	-75	7,084
5	131.61	37,711	251	11,768	3,154	34	891	1,928	5,613	0	103	7,086
6	131.46	37,175	-536	10,984	3,134	34	891	1,938	5,613	0	90	7,078
7	131.61	37,711	536	12,273	3,094	36	889	1,936	5,613	0	-169	7,088
8	131.46	37,175	-536	10,970	3,074	34	889	1,908	5,633	0	32	7,084
9	132.41	40,627	3,452	15,033	2,995	34	889	1,878	5,772	0	-13	7,110
10	132.84	42,236	1,609	13,028	2,955	34	891	1,855	5,633	0	-51	7,150
11	133.35	44,182	1,946	13,474	2,955	34	891	1,795	5,772	0	-81	7,124
12	133.77	45,815	1,633	13,417	2,955	34	861	1,753	5,772	0	-409	7,017
13	133.08	43,147	-2,668	8,456	2,995	34	847	1,696	5,772	0	220	7,029
14	130.74	34,655	-8,492	2,782	2,995	32	845	1,668	5,772	0	38	7,037
15	131.35	36,785	2,130	14,304	2,975	32	851	1,628	6,744	0	56	8,001
16	132.56	41,185	4,400	16,374	2,955	32	853	1,603	6,764	0	233	8,023
17	133.14	43,376	2,191	14,268	2,955	30	851	1,563	6,744	0	66	8,007
18	134.31	47,950	4,574	16,464	2,936	30	837	1,543	6,764	0	220	8,019
19	134.70	49,518	1,568	13,638	2,916	30	809	1,521	6,764	0	-30	8,021
20	134.67	49,396	-122	11,524	2,876	30	764	1,480	6,744	0	248	7,993
21	131.60	37,675	-11,721	142	2,876	30	746	1,462	6,744	0	-5	7,991
22	130.82	34,931	-2,744	9,103	2,896	30	748	1,432	6,744	0	3	7,995
23	131.97	39,011	4,080	15,344	2,797	28	750	1,345	6,764	0	420	8,019
24	131.73	38,142	-869	10,594	2,757	26	726	1,250	6,744	0	40	8,001
25	132.41	40,627	2,485	14,007	2,717	26	700	1,226	6,744	0	-109	7,997
26	132.53	41,073	446	11,655	2,638	26	690	1,182	6,744	0	71	7,995
27	132.66	41,559	486	11,387	2,598	26	649	1,144	6,744	0	260	7,995
28	132.40	40,590	-969	9,926	2,579	26	621	1,144	6,744	0	219	8,001
29	132.85	42,274	1,684	12,524	2,539	26	613	1,085	6,764	0	187	8,023
30	133.55	44,956	2,682	13,498	2,460	26	553	1,027	6,764	0	14	8,019
31	134.25	47,711	2,755	13,286	2,440	24	526	950	6,744	0	153	8,003
Total		8,810	365,619	89,830	946	24,630	48,480	194,701		0	1,778	235,284

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

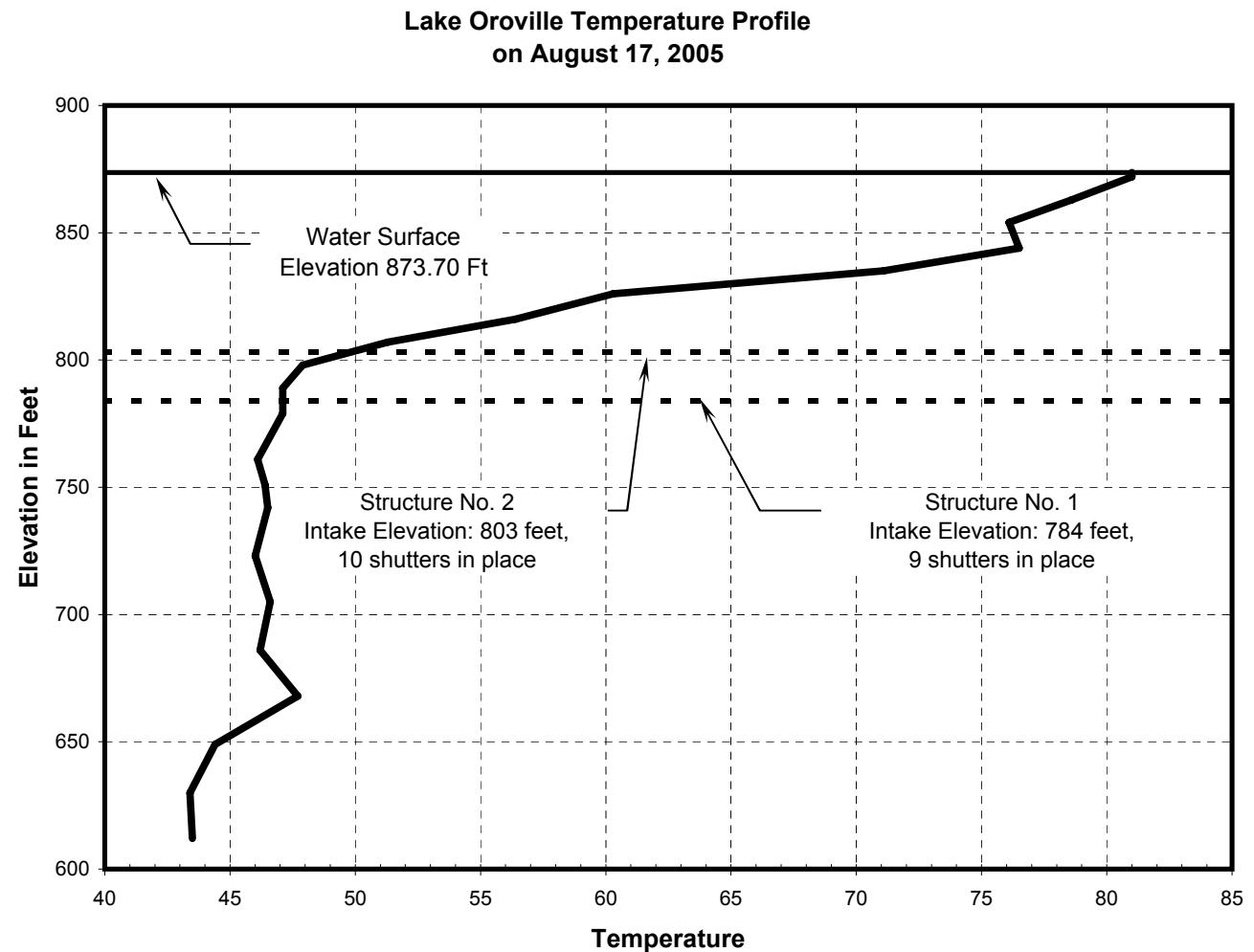
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

August 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	66	58
2	67	57
3	67	58
4	67	58
5	68	59
6	67	58
7	68	59
8	67	60
9	67	57
10	67	57
11	67	57
12	67	57
13	65	58
14	66	57
15	66	58
16	66	58
17	66	56
18	64	56
19	64	56
20	65	57
21	65	58
22	66	58
23	66	57
24	65	55
25	65	55
26	66	55
27	65	55
28	64	56
29	64	56
30	63	56
31	63	54



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries				
	Beginning and Ending				Table A Amount		Permit	Article 21	
	No.	Structure	Mile		M & I	Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	7,174				
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis AFB	418			418	
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	394			394	
				Solano County Water Agency Fairfield / Vacaville 42"	2,602			492	
			17.00	Solano County Water Agency Central Solano	Stub				
3A	2	Cordelia Forebay	21.23						
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,694				
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	1,498	1/ 1,362	983	136	
				Solano County Water Agency Benicia	1,389			406	
		Cordelia Surge Tank	23.33						
		Creston Surge Tank Connection	25.65						
3B	2		26.95	Napa County Flood Control & WCD American Canyon 2	16	16	404		
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	404		187	2/ 200	
			27.60	Napa County Flood Control & WCD American Canyon 1	387				

1/ Includes 18 AF of Napa Co. FC&WCD Ent through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

2/ Solano Permit water sold to Napa (Reach 3B) for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

August 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	215	104	10,054	10,054	450	0	0	0
2	219	93	15,718	15,718	441	0	0	0
3	236	129	14,154	14,154	483	0	0	0
4	249	128	14,198	14,198	445	0	0	18
5	250	130	14,198	14,198	460	0	0	34
6	235	92	14,198	14,198	454	0	0	34
7	211	92	14,192	14,192	434	0	0	49
8	221	112	14,192	14,192	457	0	0	34
9	209	116	14,329	14,329	467	0	0	34
10	221	108	14,278	14,278	520	0	0	25
11	235	124	14,126	14,126	507	0	0	0
12	242	127	14,039	14,039	492	0	0	0
13	223	104	14,694	14,694	483	0	0	0
14	211	104	13,567	13,567	443	0	0	0
15	221	115	14,707	14,707	489	0	0	0
16	238	130	13,744	13,744	481	0	0	0
17	229	115	14,052	14,052	489	0	0	0
18	223	109	13,580	13,580	477	0	0	0
19	225	121	13,933	13,933	475	0	0	0
20	237	129	13,592	13,592	471	0	0	0
21	236	125	13,812	13,812	453	0	0	0
22	233	123	13,677	13,677	473	0	0	0
23	231	127	15,090	15,090	485	0	0	0
24	230	127	13,906	13,906	488	0	0	0
25	235	130	13,961	13,961	486	0	0	0
26	229	123	14,013	14,013	459	0	0	0
27	249	134	13,984	13,984	440	0	0	0
28	256	141	13,890	13,890	427	0	0	0
29	238	121	14,035	14,035	444	0	0	0
30	247	129	14,024	14,024	430	0	0	0
31	240	132	14,011	14,011	421	0	0	0
Total	7,174	3,694	433,948	433,948	14,424	0	0	227

Table 10. Clifton Court Forebay

Daily Operation of Gates

August 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	2:00	4:30	11:30	14:30	22:20			14,212
2	0:01	3:00	5:15	12:00	15:00	23:11			14,231
3	0:01	3:45	6:00	12:45	15:48	23:12			14,229
4	0:01	4:30	6:45	13:15	16:15	22:45			14,225
5	0:01	5:00	7:15	15:45	16:45	22:30			14,225
6	0:01	5:45	8:00	14:15	17:15				14,224
7		6:15	8:30	14:45	17:45	23:45			14,239
8	0:01	7:00	9:00	15:15	18:15				14,242
9		7:30	9:45	15:45	18:45				14,226
10		8:30	10:30	16:15	19:15	23:15			14,232
11	0:01	9:15	11:45	20:45					12,862
12	0:15	6:15	9:15	20:15					14,231
13	0:45	7:30	10:30	20:30					14,236
14	1:45	8:30	11:30	19:05					14,225
15	2:45	9:45	12:45	19:45					14,232
16	0:01	1:00	3:45	10:30	13:30	20:30			14,232
17	0:01	2:15	4:45	11:30	14:30	20:05			14,236
18	0:01	3:00	5:45	12:15	15:15	19:49			14,230
19	0:01	4:00	6:30	13:00	16:00	20:02			14,241
20	0:01	5:45	8:30	14:30	17:30	22:00			13,864
21	0:01	5:00	7:30	13:45	16:45	21:14			14,235
22	0:01	6:45	9:15	15:00	18:00	22:45			14,228
23	0:01	7:30	10:15	19:45	22:45				14,221
24		4:30	7:30	20:27					14,241
25	0:02	5:30	8:30	20:20					14,240
26	0:15	6:45	9:54	20:35					14,241
27	1:15	8:00	11:00	20:20					14,235
28	2:00	9:15	12:15	20:00					14,227
29	0:01	0:45	3:15	10:15	13:10	20:31			14,228
30	0:01	2:00	4:15	11:00	14:00	21:08			14,239
31	0:01	2:45	5:00	11:30	14:33	22:00			14,230
Total inflow for the month in AF:									439,439

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1	Banks Pumping Plant	3.32		433,948	66	65				
	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	14,424						
	Check No. 1	5.95								
		8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	66						
	Check No. 2	12.01								
		12.47	Musco Olive	65						
	Check No. 3	18.29								
		22.16	Tracy Golf & Country Club	0						
	Check No. 4	23.99								
	Check No. 5	29.73								
	Check No. 6	34.24								
2A		35.22	Turlock Fruit Company Inflow	0	54	194	441	177	251	
		39.91								
		42.46	Oak Flat Water District-A	54						
		42.9	Western Hills WD	194						
		43.81	Oak Flat Water District-B	441						
		44.64	Oak Flat Water District-C	177						
	Check No. 8	45.97								
		46.18	Oak Flat Water District-D	251						
			Oak Flat Totals:	923						
	Check No. 9	51.3								
2B	Check No. 10	56.86			9	9				
	Check No. 11	61.4								
		66.14	Veteran's Cemetery	9						
	Check No. 12	66.71		402,451						

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Transfer	Purchase Pool A	Local	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	14,424	4					
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	4						
		Check No. 1	3.91								
	2	Check No. 2	5.21								
	3		7.21	Zone 7 WA Altamont	536	536					
2		Check No. 3	9.49	Zone 7 WA Patterson Inflow Exchange Project Water	0						
4	4	Check No. 4	10.68			583					
	5	Check No. 5	12.29								
	6		13.55	Zone 7 WA Wente #1	221	221					
			14.16	Zone 7 WA Wente #2	18						
			14.31	Zone 7 WA Ising	37						
		Check No. 6	14.65								
	7		14.78	Zone 7 WA Arroyo Mocho Project Water	1,043	1,043					
		Check No. 7	16.38								
	8		16.57	Zone 7 WA Wente #3	0	135					
			16.63	Zone 7 WA Wente #4	135						
			16.69	Zone 7 WA Norman Nursery	9						
			16.70	Zone 7 WA Concannon Project Water	69						
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0						
				(Flow into South Bay Aqueduct)	227						
				Zone 7 WA Arroyo Valle #1 & #2							
				Storage Exchange	143						
				Storage Released	195						
				Project Water	65						
5	Deliveries through Del Valle Branch Pipeline			Inflow Released	32						
				Lake Del Valle Recreation	20	65					
				Zone 7 WA Wente #5	113						
				Zone 7 WA So. Livermore Project	3,101						
				Inflow Released	0						
6				Stored Exchanged	0	3,101					
				Zone 7 WA Kalthrof Detjens	208						
				ACWD Vallecitos Project Water	834						
7	La Costa Tunnel	22.50		City of San Francisco		690					
		25.97		San Antonio	0						
8	Mission Tunnel	28.97		ACWD - Bayside 1 & 2 Project Water		144					
				Storage Released	0						
9	Santa Clara Pipeline	35.86		Storage Exchange	2,248	2,248					
				S.C.V.W.D. Meter	3,981						

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

August 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Jul 31	701.33	38,744									
1	701.30	38,723	-21	1	0	0	0	1	21	22	0.00
2	701.26	38,695	-28	-9	0	0	0	0	19	19	0.00
3	701.24	38,681	-14	1	0	0	0	1	14	15	0.00
4	701.19	38,647	-34	-2	0	0	16	0	16	32	0.00
5	701.13	38,605	-42	6	0	0	30	1	17	48	0.00
6	701.07	38,564	-41	11	0	0	30	1	21	52	0.00
7	700.96	38,488	-76	-7	0	0	44	0	25	69	0.00
8	700.90	38,446	-42	7	0	0	30	1	18	49	0.00
9	700.83	38,398	-48	-3	0	0	30	1	14	45	0.00
10	700.75	38,343	-55	-16	0	0	22	0	17	39	0.00
11	700.74	38,336	-7	34	0	0	25	1	15	41	0.00
12	700.71	38,315	-21	-3	0	0	0	1	17	18	0.00
13	700.69	38,301	-14	4	0	0	0	0	18	18	0.00
14	700.66	38,280	-21	-8	0	0	0	1	12	13	0.00
15	700.62	38,253	-27	-16	0	0	0	0	11	11	0.00
16	700.63	38,260	7	18	0	0	0	1	10	11	0.00
17	700.61	38,246	-14	-3	0	0	0	0	11	11	0.00
18	700.59	38,232	-14	0	0	0	0	1	13	14	0.00
19	700.56	38,212	-20	-8	0	0	0	0	12	12	0.00
20	700.53	38,191	-21	-7	0	0	0	1	13	14	0.00
21	700.52	38,184	-7	6	0	0	0	0	13	13	0.00
22	700.48	38,157	-27	-13	0	0	0	1	13	14	0.00
23	700.47	38,150	-7	9	0	0	0	1	15	16	0.00
24	700.45	38,136	-14	1	0	0	0	1	14	15	0.00
25	700.44	38,129	-7	7	0	0	0	1	13	14	0.00
26	700.42	38,115	-14	-3	0	0	0	0	11	11	0.00
27	700.41	38,108	-7	8	0	0	0	1	14	15	0.00
28	700.38	38,088	-20	-3	0	0	0	0	17	17	0.00
29	700.36	38,074	-14	7	0	0	0	1	20	21	0.00
30	700.35	38,067	-7	7	0	0	0	1	13	14	0.00
31	700.33	38,053	-14	5	0	0	0	1	18	19	0.00
Total			-691	32	0	0	227	20	476	723	0.00

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

August 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
Jul 31	220.92	45,551											
1	219.64	42,222	-3,329	0	413	4,262	4,656	190	1,906	8,932	20	39	
2	220.40	44,192	1,970	0	395	3,648	7,578	210	0	10,420	40	42	
3	220.63	44,792	600	0	149	4,541	6,730	91	1,013	9,660	41	-313	
4	221.80	47,861	3,069	0	0	4,555	6,692	0	0	9,821	41	162	
5	221.73	47,677	-184	0	0	4,689	6,239	0	1,722	9,597	35	333	
6	222.61	50,006	2,329	0	270	5,263	6,598	0	1,024	9,689	30	-214	
7	222.33	49,261	-745	0	621	4,496	6,726	0	2,375	9,757	25	-62	
8	223.40	52,116	2,855	0	751	4,476	6,814	0	2,572	8,357	35	362	
9	222.76	50,406	-1,710	0	494	5,218	6,786	0	4,431	9,366	27	464	
10	222.26	49,075	-1,331	0	358	5,147	6,673	0	3,290	9,599	27	67	
11	222.32	49,235	160	0	124	5,721	6,026	0	2,092	9,884	31	217	
12	222.89	50,753	1,518	0	304	5,320	6,606	178	1,504	10,069	27	313	
13	221.55	47,204	-3,549	0	531	2,840	7,026	234	1,933	10,532	20	533	
14	224.42	54,860	7,656	0	528	6,021	6,075	0	1,600	8,726	20	1,582	
15	223.33	51,928	-2,932	0	789	5,728	6,576	0	4,604	11,243	19	1,295	
16	223.68	52,866	938	0	839	3,242	6,479	0	760	9,499	22	194	
17	223.86	53,350	484	0	890	1,155	6,648	0	0	8,720	21	292	
18	222.77	50,433	-2,917	0	562	1,599	6,395	0	1,079	9,136	22	210	
19	222.60	49,980	-453	0	525	1,595	6,459	0	0	8,973	21	187	
20	222.58	49,926	-54	0	749	2,415	6,605	0	0	9,854	22	80	
21	222.21	48,942	-984	0	1,072	2,625	6,330	0	0	10,345	22	-156	
22	223.57	52,571	3,629	0	1,244	3,211	6,202	0	0	8,135	20	-672	
23	223.37	52,035	-536	0	950	2,700	7,058	0	2,143	8,960	20	145	
24	221.76	47,756	-4,279	0	608	793	6,712	0	1,050	9,570	22	372	
25	222.04	48,491	735	0	513	2,921	6,546	0	570	8,698	22	-319	
26	222.58	49,926	1,435	0	867	2,926	6,833	0	573	9,214	20	-96	
27	223.26	51,741	1,815	0	1,148	2,919	6,453	0	573	9,016	20	4	
28	223.35	51,982	241	0	1,329	2,318	6,622	0	958	9,157	20	-13	
29	223.94	53,565	1,583	0	1,552	1,730	6,481	0	1,533	7,130	20	-282	
30	223.15	51,447	-2,118	0	1,488	1,094	6,597	0	2,748	7,775	16	292	
31	222.19	48,889	-2,558	0	1,310	1,087	6,677	0	2,562	7,665	16	-121	
Total				3,338	0	21,373	106,255	202,898	903	44,615	287,499	764	4,938
Mean cfs				---	0	689	3,428	6,545	29	1,439	9,274	25	159
Acre-feet				3,338	0	42,392	210,755	402,451	1,793	88,495	570,259	1,516	9,803

1/ Pump-in located at Mile 79.67R.

2/ Includes 94 AF delivered to DFG at O'Neill Forebay and 21 AF to Parks and Recreation and 0 AF to P&R Cattle

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

August 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jul 31	485.40	1,343,373							
1	484.90	1,337,859	-5,514	1,906	4,262	358	0	-66	
2	484.30	1,331,254	-6,605	0	3,648	359	0	677	
3	483.60	1,323,561	-7,693	1,013	4,541	350	0	0	
4	482.60	1,312,596	-10,965	0	4,555	321	0	-652	
5	482.00	1,306,033	-6,563	1,722	4,689	318	0	-24	
6	481.20	1,297,298	-8,735	1,024	5,263	306	0	141	
7	480.80	1,292,938	-4,360	2,375	4,496	298	0	221	
8	480.20	1,286,407	-6,531	2,572	4,476	305	0	-1,084	
9	480.00	1,284,233	-2,174	4,431	5,218	302	0	-7	
10	479.60	1,279,887	-4,346	3,290	5,147	301	0	-33	
11	478.90	1,272,295	-7,592	2,092	5,721	312	0	113	
12	478.10	1,263,636	-8,659	1,504	5,320	322	0	-228	
13	477.80	1,260,394	-3,242	1,933	2,840	300	0	-427	
14	476.90	1,250,684	-9,710	1,600	6,021	267	0	-207	
15	476.70	1,248,530	-2,154	4,604	5,728	295	0	333	
16	476.10	1,242,075	-6,455	760	3,242	308	0	-464	
17	475.80	1,238,832	-3,243	0	1,155	302	0	-178	
18	475.70	1,237,759	-1,073	1,079	1,599	296	0	275	
19	475.30	1,233,471	-4,288	0	1,595	286	0	-281	
20	474.80	1,228,117	-5,354	0	2,415	269	0	-15	
21	474.30	1,222,771	-5,346	0	2,625	245	0	175	
22	473.70	1,216,365	-6,406	0	3,211	280	0	261	
23	473.50	1,214,232	-2,133	2,143	2,700	295	0	-223	
24	473.40	1,213,166	-1,066	1,050	793	296	0	-498	
25	473.00	1,208,905	-4,261	570	2,921	287	0	490	
26	472.50	1,203,585	-5,320	573	2,926	292	0	-37	
27	472.00	1,198,273	-5,312	573	2,919	294	0	-38	
28	471.70	1,195,089	-3,184	958	2,318	268	0	23	
29	471.50	1,192,968	-2,121	1,533	1,730	294	0	-578	
30	471.80	1,196,150	3,182	2,748	1,094	284	0	234	
31	471.90	1,197,211	1,061	2,562	1,087	338	1	-601	
Total			-146,162	44,615	106,255	9,348	1	-2,698	
Mean cfs			---	1,439	3,428	302	0	-87	
Acre-feet			-146,162	88,495	210,755	18,542	1	-5,359	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 14067 AF, San Benito: 4475 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

August 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	17,717	8,741	8,453	2,366	3,781	3,781	703
2	20,669	11,744	7,236	1,114	0	0	712
3	19,161	10,434	9,007	1,336	2,009	2,009	695
4	19,480	10,577	9,035	1,441	0	0	637
5	19,035	10,136	9,301	2,147	3,416	3,416	631
6	19,219	10,243	10,440	3,136	2,031	2,031	606
7	19,354	10,285	8,917	4,213	4,711	4,711	592
8	16,577	7,581	8,878	4,186	5,101	5,101	604
9	18,578	9,306	10,350	4,531	8,789	8,789	599
10	19,040	10,064	10,209	5,213	6,525	6,525	598
11	19,604	11,569	11,347	4,753	4,150	4,150	618
12	19,971	11,971	10,552	550	2,984	2,984	639
13	20,890	13,828	5,633	1,700	3,834	3,834	595
14	17,308	11,564	11,943	3,574	3,174	3,174	530
15	22,301	16,194	11,361	5,110	9,133	9,133	586
16	18,842	12,762	6,430	469	1,507	1,507	611
17	17,297	11,310	2,291	2,291	0	0	600
18	18,121	12,119	3,172	259	2,140	2,140	587
19	17,798	11,805	3,164	252	0	0	567
20	19,546	13,562	4,791	302	0	0	534
21	20,519	14,592	5,207	366	0	0	486
22	16,136	10,179	6,370	300	0	0	555
23	17,772	11,769	5,355	856	4,251	4,251	586
24	18,982	13,059	1,573	48	2,082	2,082	588
25	17,253	11,229	5,793	713	1,131	1,131	569
26	18,276	12,329	5,803	280	1,136	1,136	580
27	17,884	11,851	5,789	186	1,136	1,136	584
28	18,162	12,205	4,598	660	1,901	1,901	532
29	14,142	8,058	3,431	62	3,041	3,041	583
30	15,421	9,361	2,169	88	5,451	5,451	564
31	15,204	9,302	2,157	60	5,081	5,081	671
Total	570,259	349,729	210,755	52,562	88,495	88,495	18,542

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;

adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

August 2005

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	327.78	20,566					
1	327.75	20,552	-14	0	0	0	-14
2	327.70	20,529	-23	0	0	0	-23
3	327.67	20,515	-14	0	0	0	-14
4	327.65	20,505	-10	0	0	0	-10
5	327.63	20,496	-9	0	0	0	-9
6	327.60	20,482	-14	0	0	0	-14
7	327.57	20,468	-14	0	0	0	-14
8	327.54	20,454	-14	0	0	0	-14
9	327.52	20,444	-10	0	0	0	-10
10	327.47	20,421	-23	0	0	0	-23
11	327.44	20,407	-14	0	0	0	-14
12	327.42	20,398	-9	0	0	0	-9
13	327.37	20,374	-24	0	0	0	-24
14	327.34	20,360	-14	0	0	0	-14
15	327.32	20,351	-9	0	0	0	-9
16	327.31	20,346	-5	0	0	0	-5
17	327.29	20,337	-9	0	0	0	-9
18	327.26	20,323	-14	0	0	0	-14
19	327.23	20,309	-14	0	0	0	-14
20	327.22	20,304	-5	0	0	0	-5
21	327.19	20,290	-14	0	0	0	-14
22	327.18	20,286	-4	0	0	0	-4
23	327.16	20,276	-10	0	0	0	-10
24	327.13	20,262	-14	0	0	0	-14
25	327.11	20,253	-9	0	0	0	-9
26	327.08	20,239	-14	0	0	0	-14
27	327.07	20,234	-5	0	0	0	-5
28	327.06	20,230	-4	0	0	0	-4
29	327.00	20,202	-28	0	0	0	-28
30	326.98	20,193	-9	0	0	0	-9
31	326.96	20,183	-10	0	0	0	-10
Total			-383	0	0	0	-383
Mean cfs			---	0	0	0	---
Acre-feet			-383	0	0	0	-383

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

August 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Jul 31	601.10	741		0	0	0	
1	Not Observed			0	0	0	
2	Not Observed			0	0	0	
3	Not Observed			0	0	0	
4	601.05	739	-2	0	0	0	-2
5	601.05	739	0	0	0	0	0
6	601.00	736	-3	0	0	0	-3
7	601.00	736	0	0	0	0	0
8	600.95	733	-3	0	0	0	-3
9	Not Observed			0	0	0	
10	600.95	733	0	0	0	0	0
11	Not Observed			0	0	0	
12	600.85	728	-5	0	0	0	-5
13	Not Observed			0	0	0	
14	Not Observed			0	0	0	
15	Not Observed			0	0	0	
16	600.80	725	-3	0	0	0	-3
17	Not Observed			0	0	0	
18	Not Observed			0	0	0	
19	600.75	723	-2	0	0	0	-2
20	Not Observed			0	0	0	
21	Not Observed			0	0	0	
22	600.75	723	0	0	0	0	0
23	Not Observed			0	0	0	
24	600.75	723	0	0	0	0	0
25	600.75	723	0	0	0	0	0
26	600.70	720	-3	0	0	0	-3
27	600.70	720	0	0	0	0	0
28	600.70	720	0	0	0	0	0
29	600.60	715	-5	0	0	0	-5
30	600.55	712	-3	0	0	0	-3
31	600.55	712	0	0	0	0	0
Total			-29	0	0	0	-29
Mean cfs			---	0	0	0	---
Acre-feet			-29	0	0	0	-29

1/ Not available on a daily basis

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		402,451						
3A		San Luis Reservoir		Department of Parks and Recreation	1	14,066	1	0	0		
				San Felipe Division Santa Clara Water District	14,066						
				Casa de Fruta Santa Clara Water District	1						
				San Felipe Division San Benito Water District	4,475	4,475					
				Reach 3A Total:	18,543	18,542	0	1	0		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	21		11	10			
				Cattle Program	0						
				Department of Fish & Game	94						
		Thru 85.08	70.91	San Luis Water District	1,401	1,401	0	52	42		
				(Floodwater Inflow)	0						
				Reach 3 Total:	1,516						
		Dos Amigos Pumping Plant	86.73		570,259	1,401	0	63	52		
4	14		89.03			8,560					
			Thru 94.06	San Luis Water District	8,560						
			89.66				1,654				
			Thru 89.67	Pacheco Water District	1,654						
			89.68	Panoche Water District	50	50					
		Check No. 14	89.70	City of Dos Palos	195	195					
	15		95.06								
			98.15			1,321					
			Thru 104.20	San Luis Water District	1,321						
			96.15				10,116				
			Thru 102.64	Panoche Water District	10,116						
				(Floodwater Inflow)	0	3					
		Check No.15	102.64	Broadview Water District	3						
			105.22			11,397	1/ 7,000				
			Thru 108.64	Westlands Water District	18,397						
		Check No.15	108.50								
			Reach 4 Total:	40,296	33,296	7,000	0	0	0		
			San Felipe Division Total:	18,542	18,542	0	0	0	0		
			Pacheco Water District Total:	1,654	1,654	0	0	0	0		
			Broadview Water District Total:	3	3	0	0	0	0		
			City of Dos Palos Total:	195	195	0	0	0	0		
			SLWD Reach 4 Subtotal:	9,881	9,881	0	0	0	0		
			Panoche Water District Total:	10,166	10,166	0	0	0	0		
			SLWD Total:	11,282	11,282	0	0	0	0		
			Westlands WD Reach 4 Subtotal:	18,397	11,397	7,000	0	0	0		

1/ Arvin Edison WSD transfer to Westlands Water District.

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.		Mile										
5	16		110.52	(Reverse flow, Kings River)	0	23,382	1/ 1,000						
			Thru	Westlands Water District	24,382								
			122.05	Department of Fish and Game	0								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	19,790	19,790							
			Thru 132.74										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	24,801	24,801							
			Thru 142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	15,348								
			143.16	City of Coalinga	1,008	15,348	1,008						
		Check No. 18	143.23										
				Reach 5 Total:	85,329	84,329	1,000	0	0				
6	19		GWF Energy	0	7	7	2/ 517						
			City of Huron	7									
			145.26 Thru 151.19	Kings County to Lemoore NAS Through WWD	517								
				Kings County through WWD 30L	0								
				Westlands Water District	39,709								
			Check No. 19	155.64									
				Reach 6 Total:	40,233	39,716	517	0	0				
7	20		156.34	City of Huron	125	125	3						
			156.40	SWP Construction @ Lat. 24R	3								
			Thru	Westlands Water District	21,339								
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	340	340	1/ 200						
			167.04	Westlands Water District	8,284								
			Thru 171.67										
			Check No. 21	172.40	379,614								
				Reach 7 Total:	30,091	29,888	203	0	0				
				SWP Construction	3	0	3	0	0				
				Westlands WD Total:	172,050	163,850	8,200	0	0				
				City of Coalinga Total:	1,008	1,008	0	0	0				
				City of Huron Total:	132	132	0	0	0				
				Kings County to Lemoore NAS Through WWD	517	0	517	0	0				
				City of Avenal Total:	340	340	0	0	0				
Total San Luis Field Division Deliveries:					216,008	207,172	8,720	63	53				

1/ Tulare Lake Basin WSD Table A water transfer to Westlands Water District.

2/ Long-term POD from County of Kings to Lemoore Naval Air Base.

3/ Includes 277 AF exchanged at O'Neill on behalf of Tulare Lake Basin.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

August 2005

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
Jul 31	29,641								
1	29,001	-640	0	8,932	258	250	3,416	5,730	400
2	30,084	1,083	0	10,420	258	250	3,416	5,898	-52
3	30,257	173	0	9,660	258	250	3,417	5,965	317
4	30,283	26	0	9,821	260	207	3,161	6,099	-81
5	30,237	-46	0	9,597	260	207	3,161	5,853	-139
6	30,492	255	0	9,689	260	207	3,161	5,914	-19
7	30,072	-420	0	9,757	260	207	3,161	6,769	428
8	29,753	-319	0	8,357	260	207	3,161	5,299	409
9	29,915	162	0	9,366	260	207	3,161	5,497	-159
10	29,698	-217	0	9,599	263	207	3,162	6,207	131
11	29,643	-55	0	9,884	194	190	2,966	6,319	-243
12	29,344	-299	0	10,069	194	190	2,966	6,807	-63
13	28,673	-671	0	10,532	194	190	2,966	6,989	-531
14	28,186	-487	0	8,726	194	190	2,966	4,991	-631
15	29,724	1,538	0	11,243	194	190	2,966	6,519	-599
16	29,221	-503	0	9,499	194	190	2,966	6,551	148
17	29,738	517	0	8,720	196	190	2,967	5,201	95
18	29,614	-124	0	9,136	150	144	2,541	6,117	-246
19	28,778	-836	0	8,973	150	144	2,541	6,383	-176
20	29,323	545	0	9,854	150	144	2,541	6,620	-125
21	29,788	465	0	10,345	150	144	2,541	7,525	249
22	29,391	-397	0	8,135	150	144	2,541	5,909	409
23	28,957	-434	0	8,960	150	144	2,541	6,405	62
24	29,293	336	0	9,570	152	144	2,542	6,622	59
25	29,001	-292	0	8,698	129	84	2,403	6,095	-134
26	29,891	890	0	9,214	129	84	2,403	6,221	72
27	29,380	-511	0	9,016	129	84	2,403	6,854	196
28	29,636	256	0	9,157	129	84	2,403	7,135	723
29	29,207	-429	0	7,130	129	84	2,403	5,557	827
30	29,491	284	0	7,775	129	84	2,403	5,688	673
31	30,101	610	0	7,665	131	84	2,404	5,647	909
Total		460	0	287,499	5,914	5,125	87,750	191,386	2,909
Mean cfs		---	0	9,274	191	165	2,831	6,174	94
Acre-feet		460	0	570,259	11,730	10,166	174,053	379,614	5,764

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 9,881 AF to San Luis Water District, 1,654 AF to Pacheco Water District and 195 AF to the City of Dos Palos.

3/ Includes 125 AF to the City of Huron, 340 AF to the City of Avenal, 1,008 AF to the City of Coalinga, 7 AF to City of Huron P&R @ 22R, 517 AF to Lemoore N.A.S. @ 30L, 0 AF to GWF @ 30L, 21,339 AF to Kings County, 3 AF to Broadview WD, 0 AF to DFG @ 4L, 0 AF to DFG for Pilobos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 3 AF to SWP construction @ 24R, 15,348 AF to Pleasant Valley Pumping Plant, and 135,363 AF to Westlands Water District.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

August 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	555	555	90	82	88	5,667	5,316	4,931	4,836
2	579	579	114	108	113	5,769	5,288	4,831	4,692
3	594	594	108	103	109	5,023	4,688	4,284	4,138
4	563	563	112	109	112	6,109	5,576	5,172	4,956
5	598	598	111	107	112	5,886	5,507	5,087	4,934
6	703	703	140	133	141	6,192	5,581	5,169	5,011
7	640	640	102	94	104	6,851	6,540	6,152	6,189
8	524	524	97	90	98	5,248	4,932	4,555	4,498
9	523	523	116	112	118	5,554	5,277	4,921	4,796
10	577	577	119	113	117	5,837	5,094	4,748	4,520
11	529	529	120	115	117	5,851	5,242	4,870	4,778
12	552	552	116	113	116	5,631	5,220	4,898	4,834
13	671	671	134	124	133	7,716	7,298	6,843	6,634
14	591	591	95	88	96	6,247	6,302	5,969	5,958
15	494	494	97	92	99	4,140	3,861	3,603	3,499
16	521	521	110	106	109	6,092	5,491	5,113	4,898
17	529	529	97	96	99	5,622	5,157	4,762	4,663
18	562	562	119	116	116	5,923	5,509	5,163	4,958
19	526	526	115	113	111	5,867	5,452	5,103	4,969
20	662	662	111	107	111	6,728	6,270	5,873	5,748
21	624	624	125	116	124	7,148	6,763	6,433	6,361
22	482	482	79	75	80	4,805	4,651	4,326	4,268
23	496	496	105	97	105	5,085	4,878	4,475	4,299
24	519	519	108	106	107	5,473	4,916	4,273	4,417
25	515	515	112	108	111	5,273	4,705	4,365	4,220
26	468	468	113	109	112	5,422	5,199	4,812	4,647
27	569	569	99	95	98	6,534	6,247	5,904	5,895
28	494	494	169	176	169	6,532	6,466	6,171	6,056
29	422	422	86	82	86	4,841	4,683	4,416	4,382
30	459	459	114	139	113	5,284	5,030	4,651	4,557
31	436	436	110	107	111	5,271	5,047	4,693	4,557
Total	16,977	16,977	3,443	3,331	3,435	179,621	168,186	156,566	153,168

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending		Mile			Table A Amount	USBR	Purchase Pool A & Pool B	Alameda 1/	SCVWD 2/			
	No.	Structure											
7	21	Check No. 21	172.40		379,614								
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	849	202	329					
				County of Kings TL - A	1,051								
				TLBWSD TL-A	5,140								
				175.18 DRWD - 1	808								
				177.54 DRWD - 1B	358								
				180.64 TLBWSD - C	0								
				180.65 DRWD - 1A	1,255								
				182.99 DRWD - 2	4,211								
				183.00 Tulare Lake Basin WSD TL - B	15,204								
				184.00 DRWD - Paramount	4								
31A				184.63 Coastal Branch	16,977								
8D				184.78 Dudley Ridge Water Dist. DRWD - 3	2,991	13,375	1,286	1,829					
				Dudley Ridge Reach 8D Total:	9,627								
				Tulare Lake Basin WSD Total:	20,344								
		Check No. 22	184.82										
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	9,097	9,097							
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,603								
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	226								
				196.40 Kern County Water Agency Berrenda Mesa - 2	0								
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	295								
				KCWA Reach 9 Subtotal:	11,221								
				Check No. 23	197.05								
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	500	500							
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	760								
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0								
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	11								
			Check No. 24	207.94									
10A	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	2,496	2,496	1,602	15,600	7,792				
				Kern National Wildlife Refuge USBR BV-1B	1,602								
			209.78	Kern County Water Agency Buena Vista WSD 1B	1,503								
				KCWA Semitropic WSD	34,933								
			209.80	KCWA Semitropic WSD Penstocks	17,072								
				USBR Total:	1,602								
				KCWA Reach 10A Subtotal:	57,275	33,883	0	0	15,600	7,792			

1/ Alameda County WD Table A to Semitropic WSD for banking.

2/ Santa Clara Valley WD Table A to Semitropic WSD for banking.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A Amount	MWD 2/	Purchase Pool A & Pool B	Alameda 3/	SCVWD 4/		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	769	769	14,448	110	0	0		
			214.11	Kern County Water Agency Belridge - 3	0							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	14,448							
				Kern County Water Agency Belridge - 5D	110							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	15,327	15,327	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	482						
				Kern County Water Agency West Kern - 3	482							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	5,025	3,487	1,538					
		Check No. 27	231.73									
	28		235.75	Kern County Water Agency Buena Vista - 2	8,304	7,304	1,000					
			238.04	Kern County WA CVC	18,566							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	31,895	29,357	2,538	0	0	0		
13B	29		238.19	Kern Water Bank Inflow	11,431	11,431	11,939					
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	11,939							
				KCWA Buena Vista WSD - 5	949							
			243.09	Kern County Water Agency Buena Vista - 3	5,734							
		Check No. 29	244.54									
	30		249.85	Kern County Water Agency Buena Vista - 4	1,419	5,734	1,419					
			Buena Vista Pumping Plant	250.99	179,621							
				KCWA Reach 13B Subtotal:	31,472	31,472	0	0	0	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	88						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	88							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ MWD's Table A to Kern Delta WD for storage.

3/ Alameda County WD Table A to Semitropic WSD for banking.

4/ Santa Clara Valley WD Table A to Semitropic WSD for banking.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A Amount	MWD	Purchase Pool A & Pool B	Alameda	SCVWD	
	No.	Structure	Mile								
14A	31	Check No. 31	256.14			499					
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	499						
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,725						
		Check No. 32	261.72								
				KCWA Reach 14A Subtotal:	2,312		2,312	0	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	5,798	1,042					
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	1,042						
	Check No. 33	267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	4,262						
		Check No. 34	271.27								
				Reach 14B Total:	11,102		11,102	0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,695	780					
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	780						
			277.30	Kern County Water Agency Arvin-Edison WSD	2,243						
				Reach 14C Total:	4,718		4,718	0	0	0	
	Teerink Pumping Plant	278.13			168,186						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	902	5,482					
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	5,482						
				Reach 15-A Total:	6,384		6,384	0	0	0	
		Chrisman Pumping Plant	280.36		156,566						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	33					
		Check No. 37	283.95								
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	33						
	38		286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	94						
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
		Check No. 38	287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	110						
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,505						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	443						
				Kern County Water Agency Tehachapi Cummings CWD	1,220						
				KCWA Reach 16A Subtotal:	3,405		3,405	0	0	0	
17E	Edmonston Pumping Plant	293.45			153,168						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

August 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	MWD	Purchase Pool A & Pool B	Alameda	SCVWD	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		16,977					
		Las Perillas Pumping Plant	1.16		16,977					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		16,977					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,471	1,471				
			14.83	Kern County Water Agency Berrenda Mesa - 1	11,776	11,776				
				Kern County Water Agency Berrenda Mesa - PO	0					
		Devil's Den Pumping Plant	14.86		3,443					
				KCWA Reach 31A Subtotal:	13,247	13,247	0	0	0	
				KCWA Total:	188,840	162,910	2,538	0	15,600	
									7,792	
33A	C-7	Bluestone Pumping Plant	19.05		3,331					
	C-8	Polonio Pass Pumping Plant	26.54		3,435					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,908	2,753		155		
		Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	431	431				
		Energy Dissipater	78.12							
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0	3,184	0	155	0	
				CCWA Total:	3,339				0	
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
				SBCFC & WCD Total:	0	0	0	0	0	
38		Tank Site 5	115.42							

Table 24. Southern Field Division Plant Data

(in acre-feet)

August 2005

Date	West Branch					East Branch									East Branch Extension		
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Bypass	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	1,238	1,376	0	4,874	2,400	2,961	0	652	3,387	3,388	0	0	2,983	10	0	0
	2	1,161	1,423	0	3,917	613	2,987	0	598	3,307	3,570	0	0	2,691	10	0	0
	3	1,058	1,379	0	5,221	1,812	2,828	0	155	2,397	2,280	0	0	3,052	40	27	0
	4	1,553	1,372	48	4,009	1,623	2,962	0	426	2,805	2,924	0	0	3,496	17	0	0
	5	1,499	1,403	0	4,047	0	2,938	0	429	2,902	2,785	0	0	3,434	37	20	0
	6	1,494	1,442	0	998	1,065	2,909	0	624	3,110	3,001	0	0	3,276	31	0	0
	7	1,900	1,380	0	532	695	3,552	0	657	3,746	3,783	0	0	3,388	31	0	0
	8	1,237	1,259	0	3,705	2,753	2,742	0	498	2,978	3,037	0	0	3,435	47	15	2
	9	1,104	1,362	0	2,683	1,531	3,057	0	698	2,968	2,914	0	0	3,539	34	0	2
	10	1,328	1,417	0	4,494	2,675	2,748	0	506	2,814	2,788	0	0	3,411	48	14	4
	11	1,241	1,403	0	3,750	1,593	2,807	0	643	3,005	2,987	0	0	3,471	31	0	4
	12	1,470	1,410	0	4,189	1,481	2,885	0	487	2,669	2,534	0	0	3,378	51	22	4
	13	1,946	1,423	0	584	2,191	3,623	0	974	4,175	3,800	0	0	3,206	20	0	0
	14	1,946	1,321	0	506	2,431	3,259	0	782	3,899	3,901	0	0	3,259	19	0	0
	15	743	1,789	0	5,135	2,694	2,402	0	277	2,396	2,659	0	0	3,243	73	39	4
	16	1,246	1,207	0	4,428	1,731	3,003	0	761	2,769	2,684	0	0	2,330	22	0	4
	17	1,323	1,498	0	4,764	1,203	2,693	0	631	3,125	3,180	0	0	2,271	0	0	0
	18	1,323	1,529	0	3,243	1,004	3,051	0	657	3,008	3,217	0	0	2,336	0	0	3
	19	1,921	1,518	0	4,175	1,295	2,933	0	156	2,787	2,749	0	0	2,646	4	0	2
	20	2,505	2,328	0	1,483	4,046	3,130	0	50	2,793	2,764	0	0	2,664	0	0	0
	21	2,711	2,348	0	1,714	2,761	3,179	0	429	3,305	3,367	0	0	2,518	0	0	0
	22	1,337	1,516	0	4,459	2,002	2,572	0	404	2,389	2,205	0	0	2,700	9	6	0
	23	1,419	1,392	0	3,900	618	2,510	0	361	2,683	2,763	0	0	2,740	21	21	0
	24	1,379	1,678	0	5,156	1,595	2,687	0	345	2,471	2,279	0	0	2,626	24	23	5
	25	1,379	1,580	0	5,805	0	2,546	0	302	2,409	2,483	0	0	2,644	0	0	4
	26	1,680	1,536	0	5,534	1,632	2,567	0	397	2,738	2,782	0	0	2,788	0	0	0
	27	2,440	2,331	0	952	2,207	3,051	0	386	2,942	3,017	0	0	2,627	0	0	0
	28	2,440	2,300	0	1,608	3,028	3,083	0	514	3,036	3,023	0	0	2,665	0	0	0
	29	1,518	1,524	0	4,102	1,368	2,538	0	312	2,372	2,358	0	0	2,757	27	21	5
	30	1,592	1,513	0	3,799	1,674	2,708	0	264	2,460	2,396	0	0	2,687	28	26	4
	31	1,507	1,513	0	5,019	1,071	2,697	0	360	2,621	2,530	0	0	2,756	28	26	4
Total		48,638	48,470	48	108,785	52,792	89,608	0	14,735	90,466	90,148	0	0	91,017	662	260	51

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural	United Water Agency		
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Jul 31	2575.93	167,242										
1	2575.02	166,082	-1,160	2,400	1,376	35	4,874	0	48	0	-49	
2	2573.49	164,144	-1,938	613	1,423	33	3,917	0	42	0	-48	
3	2571.81	162,033	-2,111	1,812	1,379	33	5,221	0	39	0	-75	
4	2570.99	161,009	-1,024	1,623	1,420	33	4,009	0	38	0	-53	
5	2568.68	158,147	-2,862	0	1,403	33	4,047	0	38	0	-213	
6	2569.92	159,679	1,532	1,065	1,442	33	998	0	39	0	29	
7	2571.13	161,183	1,504	695	1,380	35	532	0	39	0	-35	
8	2571.40	161,520	337	2,753	1,259	35	3,705	0	37	0	32	
9	2571.52	161,670	150	1,531	1,362	33	2,683	0	36	0	-57	
10	2571.20	161,271	-399	2,675	1,417	31	4,494	0	36	0	8	
11	2570.46	160,349	-922	1,593	1,403	29	3,750	0	33	0	-164	
12	2569.34	158,961	-1,388	1,481	1,410	29	4,189	0	31	0	-88	
13	2571.82	162,045	3,084	2,191	1,423	27	584	0	31	0	58	
14	2574.42	165,320	3,275	2,431	1,321	29	506	0	31	0	31	
15	2573.70	164,409	-911	2,694	1,789	29	5,135	0	31	0	-257	
16	2572.55	162,960	-1,449	1,731	1,207	29	4,428	0	27	0	39	
17	2570.78	160,747	-2,213	1,203	1,498	29	4,764	0	27	0	-152	
18	2570.16	159,977	-770	1,004	1,529	29	3,243	0	26	0	-63	
19	2568.96	158,492	-1,485	1,295	1,518	27	4,175	0	26	0	-124	
20	2572.97	163,489	4,997	4,046	2,328	27	1,483	0	26	0	105	
21	2575.62	166,847	3,358	2,761	2,348	27	1,714	0	26	0	-38	
22	2574.79	165,790	-1,057	2,002	1,516	26	4,459	0	26	0	-116	
23	2573.33	163,942	-1,848	618	1,392	26	3,900	0	26	0	42	
24	2571.62	161,795	-2,147	1,595	1,678	25	5,156	0	26	0	-263	
25	2568.10	157,433	-4,362	0	1,580	25	5,805	0	26	0	-136	
26	2566.03	154,904	-2,529	1,632	1,536	25	5,534	0	26	0	-162	
27	2569.04	158,590	3,686	2,207	2,331	25	952	0	26	0	101	
28	2572.01	162,283	3,693	3,028	2,300	25	1,608	0	26	0	-26	
29	2571.01	161,034	-1,249	1,368	1,524	25	4,102	0	26	0	-38	
30	2570.46	160,349	-685	1,674	1,513	25	3,799	0	26	0	-72	
31	2568.40	157,802	-2,547	1,071	1,513	24	5,019	1	26	0	-109	
Total				-9,440	52,792	48,518	896	108,785	1	967	0	-1,893

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jul 31	1518.10	22,438								
1	1517.80	22,313	-125	4,874	3	2,400	3	2,596	-3	
2	1514.00	20,756	-1,557	3,917	3	613	3	4,858	-3	
3	1516.22	21,658	902	5,221	3	1,812	3	2,503	-4	
4	1517.20	22,063	405	4,009	3	1,623	3	1,968	-13	
5	1526.50	26,085	4,022	4,047	3	0	3	0	-25	
6	1526.30	25,995	-90	998	3	1,065	3	0	-23	
7	1526.10	25,905	-90	532	3	695	3	0	73	
8	1522.60	24,361	-1,544	3,705	3	2,753	3	2,493	-3	
9	1525.00	25,416	1,055	2,683	2	1,531	2	0	-97	
10	1518.70	22,690	-2,726	4,494	2	2,675	2	4,630	85	
11	1521.80	24,013	1,323	3,750	2	1,593	2	832	-2	
12	1522.90	24,491	478	4,189	2	1,481	2	2,227	-3	
13	1519.30	22,943	-1,548	584	2	2,191	2	0	59	
14	1514.80	21,079	-1,864	506	2	2,431	2	0	61	
15	1517.50	22,188	1,109	5,135	2	2,694	2	1,327	-5	
16	1523.60	24,798	2,610	4,428	2	1,731	2	0	-87	
17	1525.00	25,416	618	4,764	2	1,203	2	2,978	35	
18	1522.45	24,295	-1,121	3,243	2	1,004	2	3,357	-3	
19	1521.70	23,970	-325	4,175	2	1,295	2	3,205	0	
20	1515.70	21,445	-2,525	1,483	2	4,046	2	0	38	
21	1513.20	20,437	-1,008	1,714	1	2,761	1	0	39	
22	1513.40	20,516	79	4,459	1	2,002	1	2,374	-4	
23	1520.00	23,241	2,725	3,900	1	618	1	588	31	
24	1517.40	22,146	-1,095	5,156	1	1,595	1	4,653	-3	
25	1522.35	24,252	2,106	5,805	1	0	1	3,699	0	
26	1525.25	25,526	1,274	5,534	1	1,632	1	2,626	-2	
27	1522.50	24,317	-1,209	952	0	2,207	0	0	46	
28	1519.20	22,901	-1,416	1,608	0	3,028	0	0	4	
29	1518.60	22,648	-253	4,102	0	1,368	0	2,986	-1	
30	1523.40	24,710	2,062	3,799	0	1,674	0	0	-63	
31	1521.30	23,798	-912	5,019	0	1,071	0	4,859	-1	
Total				1,360	108,785	54	52,792	54	54,759	
									126	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Jul 31	1510.68	314,128							
1	1511.02	314,875	747	3	2,596	4	1,686	10 -160	
2	1512.45	318,029	3,154	3	4,858	5	1,566	10 -136	
3	1512.90	319,025	996	3	2,503	5	1,502	10 -3	
4	1513.03	319,313	288	3	1,968	4	1,511	10 -166	
5	1512.37	317,852	-1,461	3	0	4	1,487	0 19	
6	1511.68	316,328	-1,524	3	0	4	1,466	0 -65	
7	1510.99	314,809	-1,519	3	0	4	1,489	0 -37	
8	1511.38	315,667	858	3	2,493	4	1,527	0 -115	
9	1510.66	314,084	-1,583	2	0	4	1,657	0 68	
10	1512.01	317,056	2,972	2	4,630	4	1,685	0 21	
11	1511.80	316,593	-463	2	832	4	1,644	0 343	
12	1511.71	316,394	-199	2	2,227	4	1,672	0 -760	
13	1510.89	314,589	-1,805	2	0	4	1,764	0 -47	
14	1510.11	312,877	-1,712	2	0	4	1,726	0 8	
15	1509.96	312,549	-328	2	1,327	4	1,596	0 -65	
16	1509.24	310,975	-1,574	2	0	4	1,596	0 16	
17	1509.74	312,067	1,092	2	2,978	4	1,729	0 -163	
18	1510.43	313,579	1,512	2	3,357	3	1,731	0 -119	
19	1511.06	314,963	1,384	1	3,205	3	1,752	0 -73	
20	1510.28	313,250	-1,713	1	0	3	1,711	0 -6	
21	1509.50	311,542	-1,708	1	0	3	1,665	0 -47	
22	1509.83	312,264	722	1	2,374	3	1,655	0 -1	
23	1509.23	310,953	-1,311	1	588	2	1,730	0 -172	
24	1510.52	313,776	2,823	1	4,653	2	1,720	0 -113	
25	1511.33	315,557	1,781	1	3,699	2	1,719	0 -202	
26	1511.69	316,350	793	1	2,626	2	1,870	0 34	
27	1510.79	314,369	-1,981	1	0	2	1,966	0 -18	
28	1509.98	312,593	-1,776	1	0	2	1,962	0 183	
29	1510.37	313,447	854	0	2,986	1	1,891	29 -213	
30	1509.47	311,477	-1,970	0	0	1	1,868	60 -43	
31	1510.76	314,303	2,826	0	4,859	1	1,880	26 -128	
Total				175	54	54,759	100	52,423 155 -2,160	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Rec.	Article 21	Local	Flexible Payback	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		48,638						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved		1				
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		48,470						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	1		1				
				United WA (T300)	0						
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0						
29J	W4	Castaic Power Plant	25.82	(52,792 AF pumpback) 2/	108,785		90				
		Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		California State Park Castaic Lake Recreation (T301)	90		46,898				
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	46,898						
				Castaic Lake WA-MWD (T302)	2,818						
				Castaic Lake WA (T303)	2,386						
					0						
					0						
				MWD-Ventura Co. WPD (T302)	231						
					0						
				Releases to Lagoon	155						
				Reach 30 Subtotal:	52,423		52,333	90	0	0	
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	112		112				
		Castaic Lagoon Outlet	31.87		63						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project		Del. To Mojave W.A.	Natural To Mojave River				
Jul 31	3352.16	72,226		Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel					
1	3352.61	72,657	431	3,388	0	7	5	0	2,983	0	0	24	15	
2	3353.62	73,629	972	3,570	0	6	4	0	2,691	0	0	91	16	
3	3352.78	72,820	-809	2,280	0	6	5	0	3,052	0	1	-37	16	
4	3352.16	72,226	-594	2,924	0	6	3	0	3,496	0	0	-25	16	
5	3351.51	71,606	-620	2,785	0	6	4	0	3,434	0	0	27	16	
6	3351.18	71,292	-314	3,001	0	6	4	0	3,276	0	1	-40	16	
7	3351.60	71,691	399	3,783	0	6	4	0	3,388	0	0	2	16	
8	3351.15	71,264	-427	3,037	0	6	4	0	3,435	0	0	-31	16	
9	3350.70	70,837	-427	2,914	0	5	7	0	3,539	0	1	201	16	
10	3349.86	70,045	-792	2,788	0	5	6	0	3,411	0	0	-168	16	
11	3349.60	69,800	-245	2,987	0	5	7	0	3,471	0	0	241	16	
12	3348.45	68,725	-1,075	2,534	0	5	7	0	3,378	0	1	-228	16	
13	3349.18	69,407	682	3,800	0	5	7	0	3,206	0	0	90	16	
14	3350.00	70,176	769	3,901	0	5	6	0	3,259	0	0	128	16	
15	3349.18	69,407	-769	2,659	0	5	6	0	3,243	0	1	-183	16	
16	3349.58	69,782	375	2,684	0	5	6	0	2,330	0	0	22	16	
17	3350.64	70,780	998	3,180	0	5	5	0	2,271	0	0	89	16	
18	3351.71	71,796	1,016	3,217	0	4	5	1	2,336	0	1	138	16	
19	3351.71	71,796	0	2,749	0	4	5	1	2,646	0	0	-101	16	
20	3351.63	71,720	-76	2,764	0	4	4	1	2,664	0	1	-174	16	
21	3352.55	72,599	879	3,367	0	4	4	1	2,518	0	1	32	16	
22	3352.05	72,121	-478	2,205	0	4	5	1	2,700	0	0	19	16	
23	3352.27	72,331	210	2,763	0	4	1	1	2,740	0	0	185	16	
24	3351.65	71,739	-592	2,279	0	4	5	1	2,626	0	1	-242	16	
25	3351.60	71,691	-48	2,483	0	4	5	1	2,644	0	0	115	17	
26	3351.60	71,691	0	2,782	0	4	7	1	2,788	0	1	11	17	
27	3351.99	72,063	372	3,017	0	4	6	1	2,627	0	1	-14	17	
28	3352.41	72,465	402	3,023	0	4	7	1	2,665	0	0	48	17	
29	3351.88	71,958	-507	2,358	0	3	6	1	2,757	0	0	-104	17	
30	3351.82	71,901	-57	2,396	0	3	6	1	2,687	0	1	239	17	
31	3351.43	71,530	-371	2,530	0	3	5	1	2,756	0	0	-142	17	
Total				-696	90,148	0	147	160	14	91,017	0	12	212	502

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

August 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jul 31	1586.04	122,378				
1	1586.00	122,287	-91		69	
2	1585.96	122,197	-90		217	
3	1585.82	121,881	-316		231	
4	1585.82	121,881	0		157	
5	1585.60	121,385	-496		184	
6	1585.55	121,272	-113		207	
7	1585.49	121,137	-135		207	
8	1585.47	121,092	-45		207	
9	1585.30	120,709	-383		206	
10	1585.27	120,642	-67		206	
11	1585.16	120,394	-248		207	
12	1585.00	120,035	-359		332	
13	1585.00	120,035	0		207	
14	1584.84	119,676	-359		207	
15	1584.64	119,228	-448		603	
16	1584.20	118,245	-983		811	
17	1583.87	117,509	-736		812	
18	1583.49	116,665	-844		812	
19	1583.10	115,800	-865		812	
20	1582.77	115,070	-730		812	
21	1582.42	114,298	-772		812	
22	1581.98	113,330	-968		812	
23	1581.65	112,606	-724		812	
24	1581.26	111,752	-854		812	
25	1580.85	110,857	-895		812	
26	1580.52	110,130	-727		812	
27	1580.00	109,010	-1,120		812	
28	1579.70	108,360	-650		812	
29	1579.20	107,281	-1,079		812	
30	1578.96	106,761	-520		812	
31	1578.46	105,689	-1,072		812	
Total			-16,689	1,676	16,438	-1,927

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending		No.			Table A Amount	Recreation	Pool A & B	Transfer	Local					
	No.	Structure	Mile												
17E	40	Edmonston Pumping Plant	293.45		153,168										
	41		298.65	KCWA Tej.-Cas	Stub										
17F		Check No. 41	303.41												
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	27					27					
		Check No. 42	304.99												
19	43	Alamo Powerplant	305.73	(Does not include 14,735 AF flow down Cottonwood Chute)	89,608										
			308.05	AVEK 294th Street West (T267)	0										
		Check No. 43	309.70												
	44		311.84	LADWP Connection	0										
			313.50	AVEK 245th Street West (T269)	0										
		Check No. 44	314.81												
	45		314.93	AVEK 235th Street West (T270)	0										
			315.57	AVEK 225th Street West (T271)	0										
		Check No. 45	319.74												
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	2,894										
				Mojave Water Agency Fairmont (T272)	136										
		Check No. 46	323.84												
				Reach 19 Total:	3,057										
20A	47	Check No. 47	326.77												
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	142										
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed										
		Check No. 48	330.82												
	49	Check No. 49	335.93												
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,524										
				339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	92									
			340.92	AVEK WA-Temp (T387)	0										
		Check No. 50	341.51												
	51		342.06	AVEK WA-Temp (T386)	34										
		Check No. 51	342.07												
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use										
21	57		343.74	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	88										
			348.14												
		Check No. 53	348.17												
	54	Check No. 54	350.25												
	55	Check No. 55	352.70												
	56	Check No. 56	354.76												
		354.97	AVEK WA-Littlerock Creek ID (T278)	0											
22A	58		354.97	Palmdale WD (T276)	1,366										
			354.97	Palmdale WD (T391)	26										
		Check No. 57	356.93												
			357.60	AVEK 95th Street East (T279)	196										
			357.72	AVEK 96th Street East (T280)	162										
			359.76	AVEK East Side Treatment Plant (T281)	542										

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

August 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A Amount	Recreation	Pools A & B	Transfer	Local		
	No.	Structure										
22B	58	Pearblossom Pumping Plant	360.61		90,466	2,090						
	59	Check No. 59	366.09									
	60		366.50	AVEK Big Rock Siphon (T368)	0							
	61	Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	2,090							
	64	Check No. 63										
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
23	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	49	49						
		Check No. 66	403.41									
24	67	Mojave Siphon	405.48	Las Flores Ranch	502	146						
		Mojave Siphon Powerplant	405.65		90,148							
25		Silverwood Lake	407.65	California State Park Silverwood (T288)	14							
			407.70	Crestline Lake Arrowhead Water Agency	146							
26A		San Bernardino Tunnel Intake			91,017							
		Devil Canyon Powerplant	412.73		91,017							
68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292 & T293)	45,505	45,505							
			Desert Water Agency (T293)	4,932								
			Coachella Valley WD (T293)	3,300								
			MWD EBX-1 (T290 & T291)	15,195								
			East Branch Extension	1,572								
28G	69	Santa Ana Valley Pipeline	425.46			2/ 1,550						
28H			433.06	MWD-SC Box Springs (T295)	12,062							
			440.05	MWD-SC Perris Bypass Pipeline (T296)	7,554							
28J			442.00	MWD-SC (T297)	272							
	69	Lake Perris	443.44	MWD-SC 54" & 78" (T299)	16,166	16,166						
				Calif. State Park	0							
				Lake Perris Recreation (T298)								
				MWD Total:	143,652	143,652	0	0	0	0		

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.

2/ Includes 0 AF to San Gabriel Valley MWD, 1,508 AF to San Bernardino Valley MWD, and 64 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

August 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	40	82	62	62	68	72	74	71	68
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.03	0.11	0.10	0.13	0.15	0.16	0.14	0.12
Calcium	mg/l	8	14	14	14	16	18	18	18	17
Carbon - Dissolved Organic	mg/l as C	NR	3	2	2	3	3	3	3	3
Carbon - Total Organic	mg/l as C	NR	5	4	4	4	4	5	4	3
Chloride	mg/l	<1	11	35	33	42	51	52	48	42
Chromium	mg/l	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Copper	mg/l	<0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.003
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	32	76	68	68	77	86	86	86	80
Iron	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	10	8	8	9	10	10	10	9
Manganese	mg/l	<0.005	0.016	0.018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	0.03	0.21	0.27	NR	0.38	0.50	0.50	0.46	0.43
Phosphorus-Ortho	mg/l as P	<0.01	0.10	0.06	NR	0.08	0.09	<0.01	0.09	0.09
Phosphorus-Total	mg/l	0.01	0.19	0.10	NR	0.10	0.12	0.10	0.12	0.11
Selenium	mg/l	<0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001
Sodium	mg/l	3	16	26	25	30	36	36	34	31
Specific Conductance	µS/cm	81	223	276	273	320	369	377	350	328
Sulfate	mg/l	2	13	17	19	23	29	29	28	28
Total Dissolved Solids	mg/l	47	125	154	152	177	207	209	195	181
Turbidity	NTU	2	44	11	11	4	5	8	6	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

August 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	3.64	1.60	7,703	7,703	10,188	1.10	4.04	0.29	0.27	0.39	0.29	0.22	0.63	0.28	16
2	3.56	1.54	6,979	7,341	9,625	1.14	4.13	0.31	0.27	0.39	0.31	0.22	0.59	0.29	16
3	3.62	1.58	6,974	7,219	9,710	1.20	4.51	0.33	0.27	0.40	0.32	0.22	0.54	0.27	18
4	3.72	1.52	6,814	7,118	9,710	1.28	4.91	0.36	0.27	0.41	0.33	0.22	0.54	0.26	18
5	3.44	1.43	6,741	7,042	9,724	1.25	5.04	0.35	0.28	0.41	0.34	0.23	0.50	0.28	20
6	3.36	1.40	6,773	6,997	9,724	1.27	5.13	0.33	0.28	0.44	0.35	0.23	0.46	0.30	25
7	3.21	1.49	6,509	6,928	9,455	1.32	5.48	0.33	0.29	0.46	0.36	0.24	0.42	0.30	26
8	3.11	1.54	6,541	6,879	9,385	1.34	5.78	0.36	0.29	0.49	0.38	0.24	0.47	0.32	28
9	2.87	1.52	5,718	6,750	9,187	1.32	5.50	0.31	0.30	0.49	0.40	0.24	0.57	0.32	30
10	2.86	1.41	5,733	6,649	9,399	1.31	5.18	0.25	0.30	0.49	0.41	0.25	0.59	0.31	30
11	2.89	1.25	6,429	6,629	9,413	1.42	4.88	0.25	0.30	0.48	0.42	0.26	0.60	0.32	33
12	3.40	1.40	6,229	6,595	9,766	1.48	5.32	0.33	0.31	0.54	0.44	0.28	0.57	0.30	35
13			4,605	6,442	8,578	1.66	0.00	0.32	0.31	0.63	0.44	0.28	0.56	0.30	37
14	3.91	1.80	3,416	6,226	7,673	1.86	7.20	0.80	0.32	0.77	0.45	0.28	0.45	0.32	38
15	3.85	1.78	3,607	6,051	7,815	2.04	7.02	0.59	0.34	0.68	0.47	0.29	0.57	0.32	38
16	3.85	1.60	3,949	5,920	8,041	1.97	6.65	0.60	0.37	0.67	0.50	0.29	0.57	0.34	40
17	4.03	1.77	4,581	5,841	8,465	2.28	7.65	0.76	0.40	0.73	0.52	0.30	0.52	0.35	42
18	4.17	1.72	4,615	5,773	8,408	2.44	8.19	0.89	0.45	0.76	0.55	0.30	0.51	0.30	46
19	3.96	1.49	4,746	5,719	8,564	2.31	7.66	0.83	0.49	0.73	0.58	0.30	0.50	0.32	50
20	3.64	1.40	5,470	5,707	8,988	2.10	7.35	0.67	0.51	0.70	0.60	0.31	0.51	0.29	56
21	3.27	1.32	5,333	5,689	9,037	2.01	7.13	0.60	0.54	0.69	0.62	0.32	0.49	0.32	50
22	2.92	1.31	5,515	5,681	9,228	1.93	6.67	0.52	0.55	0.69	0.64	0.33	0.50	0.34	57
23	3.15	1.32	5,631	5,679	9,405	1.97	6.73	0.52	0.57	0.71	0.66	0.34	0.50	0.34	60
24	3.42	1.52	5,444	5,669	9,489	2.18	7.33	0.56	0.59	0.75	0.68	0.33	0.49	0.35	60
25	3.28	1.48	5,195	5,650	9,397	2.17	7.13	0.51	0.62	0.77	0.70	0.33	0.51	0.34	60
26	3.24	1.39	5,784	5,655	9,835	2.11	6.51	0.50	0.63	0.75	0.72	0.34	0.61	0.34	64
27	3.27	1.47	5,688	5,656	9,765	2.07	6.73	0.49	0.62	0.79	0.72	0.34	0.67	0.34	66
28	3.44	1.62	5,443	5,649	9,637	2.23	7.08	0.51	0.61	0.85	0.73	0.34	0.64	0.33	64
29	3.24	1.57	5,226	5,634	9,439	2.35	7.31	0.59	0.61	0.86	0.75	0.34	0.62	0.32	66
30	3.24	1.33	5,448	5,628	9,665	2.21	6.55	0.48	0.60	0.82	0.76	0.34	0.58	0.32	70
31	3.2	1.30	4,936	5,606	9,467	2.12	6.75	0.57	0.59	0.84	0.77	0.34	0.52	0.31	70

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

August 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
NORTH BAY AQUEDUCT BARKER SLOUGH PUMPING	June 15, 2005	Metolachlor Simazine	0.10 0.02
HARVEY O.BANKS DELTA PUMPING PLANT	June 15, 2005	Metolachlor	0.10
O'NIELL FOREBAY OUTLET CHECK 13	June 14, 2005	Metolachlor	0.10
DELTA MENDOTA CANAL UPSTREAM OF McCABE ROAD	March 16, 2005	Diuron Simazine	0.48 0.05
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CK 21)	June 14, 2005	Metolachlor Simazine	0.10 0.02
CALIFORNIA AQUEDUCT NEAR HYW 119 (CHECK 29)	June 21, 2005	Metolachlor Simazine	0.10 0.03
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CK 41)	June 15, 2005	Metolachlor Simazine	0.10 0.02
DEVIL CANYON HEAD WORKS	June 15, 2005	Simazine Simazine	0.05 0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

August 2005

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	8,616,250	0	47,050	39,870	2,829,060	2,829,060	394,740	350
2	7,168,550	5,820	47,670	38,570	4,405,190	4,405,190	389,470	340
3	7,627,930	6,290	56,900	40,740	3,977,160	3,977,160	423,500	340
4	8,401,240	5,590	60,370	42,620	3,965,710	3,965,710	393,910	340
5	8,364,930	7,150	61,160	43,910	3,970,810	3,970,810	402,890	350
6	7,766,910	7,080	54,420	40,460	3,968,440	3,968,440	394,840	340
7	8,463,300	7,730	44,230	34,930	3,963,540	3,963,540	382,880	340
8	7,944,060	10,320	48,670	40,520	3,964,290	3,964,290	401,210	340
9	10,230,080	10,430	47,900	41,810	3,999,200	3,999,200	412,100	330
10	8,660,530	4,790	46,900	37,990	3,979,060	3,979,060	404,860	330
11	8,959,280	6,510	55,720	42,320	3,935,540	3,935,540	442,230	320
12	9,552,600	60	59,380	43,280	3,922,260	3,922,260	428,200	330
13	6,031,700	0	51,010	35,880	4,110,650	4,110,650	417,490	320
14	2,098,150	60	44,430	35,270	3,778,000	3,778,000	392,500	310
15	9,945,690	0	48,350	39,530	4,106,600	4,106,600	429,410	310
16	11,292,020	0	56,270	44,520	3,857,100	3,857,100	420,640	320
17	9,882,910	0	51,070	39,190	3,938,410	3,938,410	425,650	360
18	11,218,890	0	47,390	37,940	3,795,790	3,795,790	415,250	420
19	9,557,890	0	50,590	40,130	3,885,730	3,885,730	413,580	390
20	8,055,430	0	53,410	42,770	3,890,810	3,890,810	410,400	390
21	205,460	60	54,770	40,770	3,850,860	3,850,860	396,030	390
22	6,437,050	290	53,060	40,100	3,817,550	3,817,550	409,990	420
23	10,036,700	0	51,550	41,140	4,219,140	4,219,140	422,300	440
24	7,249,740	460	53,270	42,220	3,912,820	3,912,820	424,840	430
25	9,583,060	640	53,000	43,440	3,912,340	3,912,340	423,900	410
26	8,464,760	750	51,950	40,250	3,925,390	3,925,390	401,210	390
27	7,858,980	0	61,910	43,550	3,909,410	3,909,410	388,830	390
28	6,888,980	0	63,390	45,410	3,880,050	3,880,050	376,410	400
29	8,484,210	0	56,940	38,960	3,936,500	3,936,500	390,360	420
30	9,022,210	0	60,520	41,860	3,918,240	3,918,240	379,530	410
31	8,924,560	0	55,110	43,110	3,913,060	3,913,060	369,970	410
Total	252,994,050	74,030	1,648,360	1,263,060	121,438,710	121,438,710	12,579,120	11,380

Table 36. San Luis Field Division Energy Data

(in kWh)

August 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,447,650	1,207,650	1,850,770	518,770	1,138,790	1,138,790
2	2,871,300	1,631,300	1,575,410	243,410	9,920	9,920
3	2,722,600	1,482,600	1,955,960	290,960	600,170	600,170
4	2,713,510	1,473,510	2,114,090	338,090	6,490	6,490
5	2,652,970	1,412,970	2,020,380	466,380	1,026,270	1,026,270
6	2,655,100	1,415,100	2,222,420	668,420	693,300	693,300
7	2,663,670	1,415,670	1,894,610	895,610	1,407,980	1,407,980
8	2,285,420	1,045,420	1,891,380	892,380	1,294,900	1,294,900
9	2,484,600	1,244,600	2,199,890	963,890	2,675,110	2,675,110
10	2,630,730	1,390,730	2,181,170	1,114,170	1,973,360	1,973,360
11	2,693,700	1,589,700	2,401,590	1,006,590	1,327,410	1,327,410
12	2,756,140	1,652,140	2,203,990	115,990	880,700	880,700
13	2,863,550	1,895,550	1,203,700	363,700	1,083,170	1,083,170
14	2,458,200	1,642,200	2,493,260	747,260	914,460	914,460
15	3,008,530	2,184,530	2,280,330	1,026,330	2,755,210	2,755,210
16	2,552,960	1,728,960	1,353,410	99,410	443,980	443,980
17	2,379,660	1,555,660	465,000	465,000	13,330	13,330
18	2,487,070	1,663,070	647,660	53,660	631,640	631,640
19	2,446,870	1,622,870	645,820	51,820	10,540	10,540
20	2,690,530	1,866,530	986,690	62,690	10,430	10,430
21	2,824,180	2,008,180	994,720	70,720	10,410	10,410
22	2,231,040	1,407,040	1,196,770	56,770	11,390	11,390
23	2,438,620	1,614,620	1,100,420	176,420	1,246,410	1,246,410
24	2,640,150	1,816,150	307,090	10,090	607,440	607,440
25	2,359,300	1,535,300	1,040,720	128,720	339,090	339,090
26	2,531,460	1,707,460	1,198,220	58,220	337,690	337,690
27	2,442,310	1,618,310	1,178,140	38,140	337,170	337,170
28	2,487,040	1,671,040	932,210	134,210	560,510	560,510
29	1,914,760	1,090,760	684,710	12,710	899,250	899,250
30	2,097,010	1,273,010	438,000	18,000	1,603,480	1,603,480
31	2,122,150	1,298,150	432,320	12,320	1,512,510	1,512,510
Total	78,552,780	48,160,780	44,090,850	11,100,850	26,362,510	26,362,510

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

August 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	43,190	110,330	61,660	59,850	60,980	1,370,270	1,387,530	3,030,550	10,904,630
2	45,100	117,600	78,330	75,100	77,670	1,384,000	1,378,610	2,928,180	10,593,050
3	46,150	119,680	74,500	71,910	74,880	1,209,910	1,229,430	2,595,410	9,344,050
4	43,820	114,250	77,510	75,180	76,880	1,476,810	1,457,280	3,145,950	11,187,720
5	46,180	121,160	76,700	74,550	76,920	1,419,530	1,437,240	3,110,530	11,131,400
6	55,310	142,410	96,070	92,600	96,190	1,493,450	1,458,770	3,162,810	11,308,090
7	50,520	129,300	71,100	67,200	71,660	1,655,170	1,705,880	3,755,010	13,955,950
8	41,020	103,910	67,150	63,220	67,320	1,271,870	1,288,880	2,795,550	10,151,620
9	41,590	108,500	79,510	77,540	80,100	1,345,550	1,379,270	3,011,920	10,782,320
10	45,200	115,470	81,610	78,240	79,760	1,405,180	1,333,340	2,895,890	10,252,740
11	41,360	105,980	82,240	79,380	80,870	1,411,950	1,371,330	2,978,610	10,761,710
12	43,170	111,810	79,800	77,890	79,410	1,360,230	1,365,920	3,005,670	10,892,770
13	52,120	134,800	92,210	87,400	91,640	1,868,480	1,909,750	4,187,170	14,926,330
14	46,250	118,270	66,480	62,740	66,760	1,507,810	1,646,500	3,651,370	13,493,710
15	38,380	97,910	67,240	64,340	67,610	982,730	1,006,710	2,179,170	7,887,100
16	41,460	107,240	75,880	73,520	74,980	1,461,020	1,434,850	3,128,700	11,136,850
17	41,680	107,420	66,860	66,520	68,180	1,356,050	1,348,130	2,911,380	10,512,290
18	44,370	114,170	81,330	77,210	79,280	1,434,050	1,439,990	3,153,860	11,301,070
19	41,180	105,020	78,170	78,230	76,290	1,417,370	1,422,700	3,105,460	11,202,300
20	51,430	132,690	76,170	74,470	75,920	1,616,680	1,641,630	3,549,580	12,952,200
21	48,110	123,100	85,840	81,610	85,610	1,728,950	1,771,960	3,924,250	14,305,300
22	37,410	94,840	55,630	53,560	55,570	1,163,710	1,211,850	2,631,750	9,628,230
23	38,580	100,650	73,480	68,590	72,690	1,246,400	1,278,250	2,730,600	9,699,780
24	40,600	105,770	73,680	72,840	73,450	1,340,210	1,281,950	2,787,000	9,933,350
25	40,730	106,870	76,710	74,430	76,050	1,283,700	1,232,000	2,662,990	9,511,070
26	36,760	96,120	77,430	75,250	76,450	1,319,620	1,359,420	2,937,250	10,476,700
27	42,930	110,270	68,050	65,940	67,260	1,584,910	1,631,340	3,602,050	13,262,260
28	38,000	100,910	115,040	112,070	114,290	1,587,350	1,690,950	3,765,880	13,629,060
29	32,690	82,250	60,060	58,330	59,350	1,176,580	1,229,270	2,693,700	9,870,390
30	37,500	97,760	77,880	75,910	76,530	1,289,130	1,318,000	2,863,620	10,275,310
31	34,760	90,040	75,440	73,930	75,960	1,285,710	1,321,380	2,859,070	10,278,230
Total	1,327,550	3,426,500	2,369,760	2,289,550	2,356,510	43,454,380	43,970,110	95,740,930	345,547,580

Table 38. Southern Field Division Energy Data

(in kWh)

August 2005

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation 1/	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	329,505	812,240	1,320,000	342,761	2,271,087	3,616,347	264,082	7,828	734	666
2	310,881	841,560	1,320,000	349,258	2,221,844	3,283,970	276,048	7,680	714	619
3	282,743	812,520	1,530,000	329,608	1,600,120	3,654,094	169,937	26,193	22,651	610
4	405,020	808,890	1,560,000	347,399	1,890,349	4,181,052	228,046	12,208	695	619
5	398,020	821,930	1,320,000	343,740	1,949,063	4,112,737	218,414	25,083	16,926	582
6	396,317	837,210	1,320,000	338,677	2,093,400	3,942,909	232,684	20,576	724	610
7	502,980	792,340	1,320,000	415,239	2,515,125	4,057,625	291,584	20,556	724	610
8	330,188	753,430	1,320,000	318,908	2,000,987	4,112,886	236,798	30,976	12,779	750
9	308,772	802,830	1,320,000	355,795	1,999,232	4,236,254	226,098	22,000	695	769
10	354,752	825,720	1,320,000	320,263	1,889,362	4,089,962	215,665	31,310	12,362	1,182
11	332,297	829,300	1,320,000	324,001	2,019,731	4,135,888	240,318	20,163	685	1,276
12	387,604	836,700	1,320,000	332,743	1,795,314	4,019,630	198,823	33,874	24,229	1,219
13	520,238	839,440	1,320,000	417,019	2,801,226	3,870,926	301,721	13,691	645	516
14	520,099	795,220	1,320,000	379,875	2,620,499	3,907,882	303,352	13,269	625	488
15	202,475	1,027,090	1,680,000	287,213	1,622,193	3,876,157	213,964	47,034	31,928	1,144
16	328,228	736,650	1,680,000	349,693	1,872,024	2,833,614	205,330	15,694	1,171	1,201
17	353,426	901,370	1,680,000	308,653	2,103,569	2,758,683	245,431	16,313	12,471	1,182
18	347,366	932,890	1,680,000	351,572	2,019,821	2,856,260	252,720	3,064	635	1,050
19	505,653	927,970	1,680,000	337,896	1,876,321	3,229,688	211,966	4,812	635	891
20	660,000	1,293,460	1,680,000	370,837	1,879,631	3,259,019	215,932	1,670	655	563
21	717,267	1,320,090	1,680,000	370,461	2,229,831	3,048,289	265,200	1,719	665	591
22	353,287	928,930	1,680,000	303,817	1,610,319	3,276,958	162,134	7,278	5,516	619
23	376,406	919,920	1,680,000	292,128	1,809,202	3,320,916	217,356	14,594	17,581	572
24	363,782	952,240	1,680,000	315,971	1,672,602	3,179,242	169,986	16,195	19,724	1,182
25	366,970	961,100	1,680,000	299,298	1,623,210	3,230,014	193,681	1,807	724	1,313
26	447,475	882,310	1,680,000	301,661	1,838,385	3,347,874	216,802	17,865	19,040	1,304
27	639,960	1,296,600	1,680,000	358,495	1,977,747	3,187,994	237,836	1,601	804	638
28	641,554	1,277,760	1,680,000	359,167	2,044,955	3,248,645	235,275	1,591	804	647
29	401,386	932,000	1,680,000	297,983	1,601,994	3,358,712	180,459	18,101	17,879	1,369
30	420,475	927,170	1,680,000	314,063	1,672,084	3,193,710	179,430	19,073	22,105	1,247
31	397,861	926,010	1,680,000	309,593	1,778,943	3,315,190	194,076	18,670	21,788	1,191
Total	12,902,990	28,552,890	47,490,000	10,443,790	60,900,169	109,743,127	7,001,147	492,487	269,312	27,218

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations